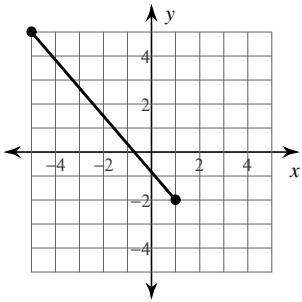


The Distance Formula

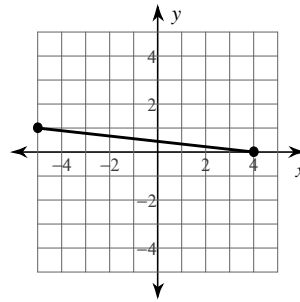
Date _____ Period _____

Find the distance between each pair of points. Round your answer to the nearest tenth, if necessary.

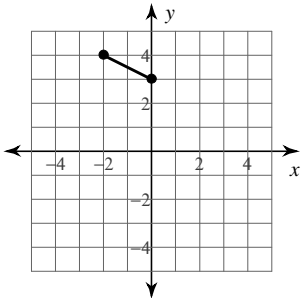
1)



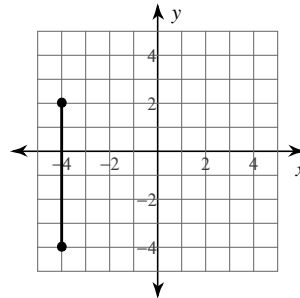
2)



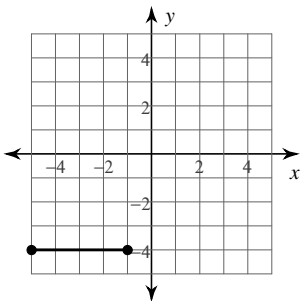
3)



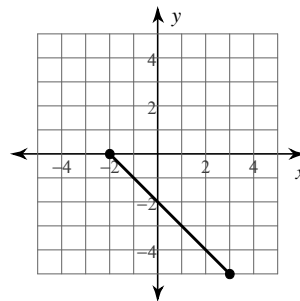
4)



5)



6)



7) $(-2, 3), (-7, -7)$

8) $(2, -9), (-1, 4)$

9) $(5, 9), (-7, -7)$

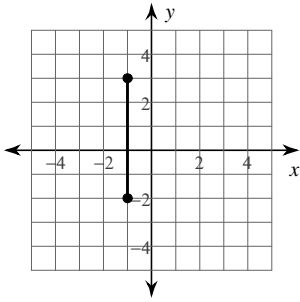
10) $(8, 5), (-1, 3)$

11) $(-10, -7), (-8, 1)$

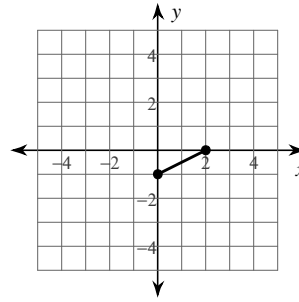
12) $(-6, -10), (-2, -10)$

Find the distance between each pair of points.

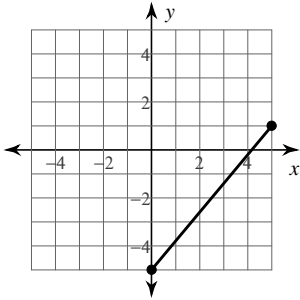
13)



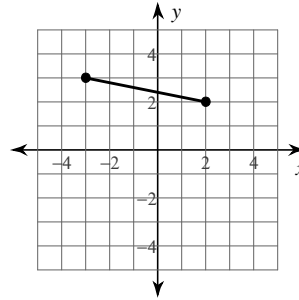
14)



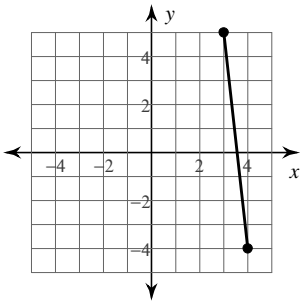
15)



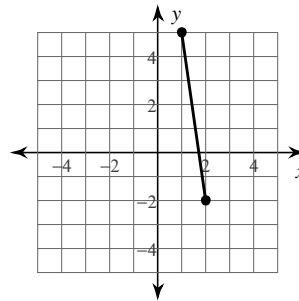
16)



17)



18)



19) $(0, -2)$, $(-5, -1)$

20) $(6, 4)$, $(-5, -1)$

21) $(3, 8)$, $(9, 10)$

22) $(10, 1)$, $(9, -4)$

23) $(-8, 10)$, $(-6, 7)$

24) $(-5, 6)$, $(8, -4)$

Critical thinking questions:

25) Name a point that is $\sqrt{2}$ away from $(-1, 5)$.

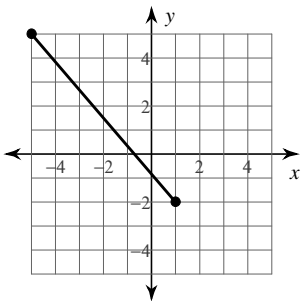
26) Name a point that is between 50 and 60 units away from $(7, -2)$ and state the distance between the two points.

The Distance Formula

Date _____ Period _____

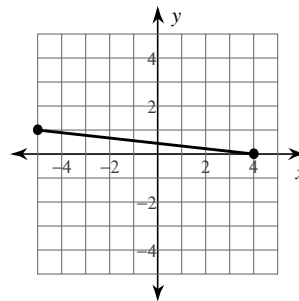
Find the distance between each pair of points. Round your answer to the nearest tenth, if necessary.

1)



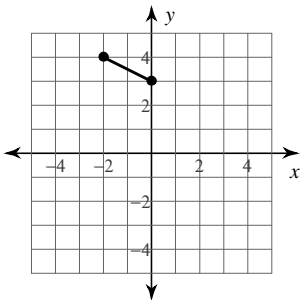
9.2

2)



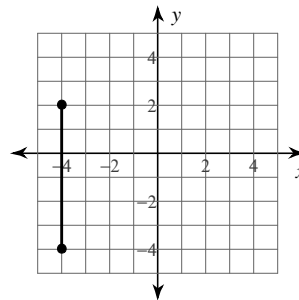
9.1

3)



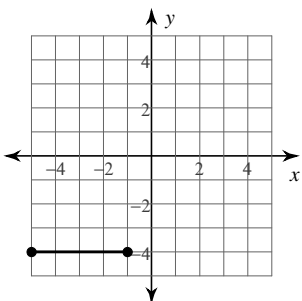
2.2

4)



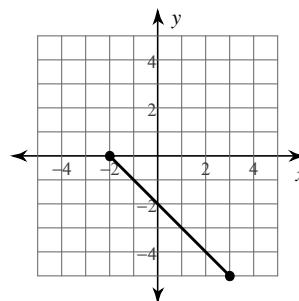
6

5)



4

6)



7.1

7) $(-2, 3), (-7, -7)$

11.2

8) $(2, -9), (-1, 4)$

13.3

9) $(5, 9), (-7, -7)$

20

10) $(8, 5), (-1, 3)$

9.2

11) $(-10, -7), (-8, 1)$

8.2

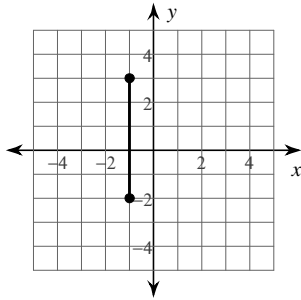
12) $(-6, -10), (-2, -10)$

4

Find the distance between each pair of points.

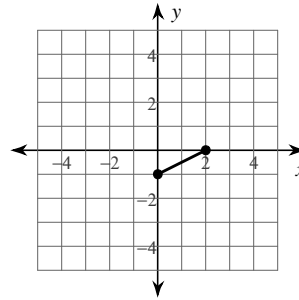
13)

5



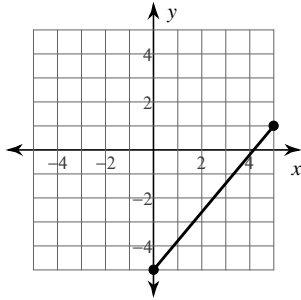
14)

$\sqrt{5}$



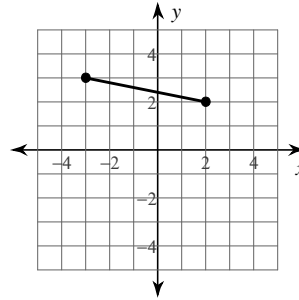
15)

$\sqrt{61}$



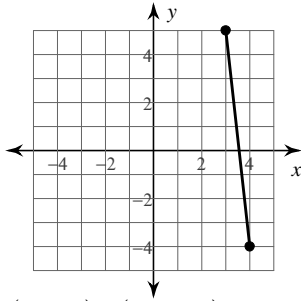
16)

$\sqrt{26}$



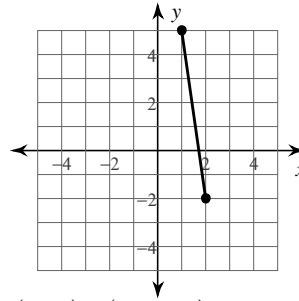
17)

$\sqrt{82}$



18)

$5\sqrt{2}$



19) $(0, -2), (-5, -1)$

$\sqrt{26}$

20) $(6, 4), (-5, -1)$

$\sqrt{146}$

21) $(3, 8), (9, 10)$

$2\sqrt{10}$

22) $(10, 1), (9, -4)$

$\sqrt{26}$

23) $(-8, 10), (-6, 7)$

$\sqrt{13}$

24) $(-5, 6), (8, -4)$

$\sqrt{269}$

Critical thinking questions:

25) Name a point that is $\sqrt{2}$ away from $(-1, 5)$.

$(0, 6), (0, 4), (-2, 6),$ or $(-2, 4)$

26) Name a point that is between 50 and 60 units away from $(7, -2)$ and state the distance between the two points.

Many answers. Ex: $(60, -2)$; 53 units